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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known	
Application Number	10/077,577
Filing Date	February 15, 2002
First Named Inventor	SHACKLETON, CEDRIC
Art Unit	1625
Examiner Name	COLE, MONIQUE
Attorney Docket Number	CHOR-003

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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MC		Li-Wei Guo, et al. "Synthesis of Ring B Unsaturated Estriols. Confirming the Structure of a Diagnostic Analyte for Smith -Lemli-Opitz Syndrome." (2001) Organic Letters. Vol. 3.	
MC		Wassif et al., "Mutations in the Human SterolΔ^7-Reductase Gene at 11q12-13 Cause Smith-Lemli-Opitz Syndrome," Am. J. Hum. Genet. 63:55-62, 1998	

Examiner Signature	M. Cole	Date Considered	6/04

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Sheet 1 of 4

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Application Number	10/077,577
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First Named Inventor	Cedric Shackleton
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	CHOR-003

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MC			WO 01/92893		Schroepfer, et al.	12-06-01		

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MC		ABUELO, et al. "Prenatal detection of the cholesterol biosynthetic defect in the Smith-Lemli-Opitz syndrome by the analysis of amniotic fluid sterols", *Am J Med Genet*, (1995) Vol. 56: 281-285.	
		ANDERSSON, et al. "Adrenal insufficiency in Smith-Lemli-Opitz Syndrome", *Am. J. Med Genet*, (1999) Vol. 82 (5): 382-384.	
		BRADLEY, et al. "Levels of unconjugated estriol and other maternal serum markers in pregnancies with Smith-Lemli-Opitz (RSH) syndrome fetuses", *Am J Med Genet*, (1999) Vol. 82: 355-358.	
		CLAYTON. "Disorders of cholesterol biosynthesis", *Arch. Dis. Child*, (1998) Vol. 78: 185-189.	
		DALLAIRE, et al. "Prenatal diagnosis of Smith-Lemli-Opitz syndrome is possible by measurement of 7-dehydrocholesterol in amniotic fluid", *Prenat. Diagn.*, (1995) Vol. 15: 855-858.	
MC		DONNAI, et al. "The lethal multiple congenital anomaly syndrome of polydactyly, sex reversal, renal hypoplasia, and unilobular lungs", *J. Med. Genet.* (1986) Vol. 23: 64-71.	

Examiner Signature	M Cole	Date Considered	6/04

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Sheet 2 of 4

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Application Number	10/077,577
Filing Date	February 15, 2002
First Named Inventor	Cedric Shackleton
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	CHOR-003

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MC	1	FITZKY, et al. "Mutations in the delta-7-sterol reductase gene in patients with the Smith-Lemli-Opitz syndrome", *Proc. Natl. Acad. Sci. USA*, (1998) Vol. 95: 8181-8186.	
	2	GLASS, et al. "Steroid sulphatase deficiency is the major cause of extremely low oestriol production at mid-pregnancy: A urinary steroid assay for the discrimination of steroid sulphatase deficiency from other causes", *Prenat. Diagn.*, (1998) Vol. 18: 789-800.	
	3	IRONS, et al. "Defective cholesterol biosynthesis in Smith-Lemli-Opitz syndrome", *Lancet*, (1993) Vol. 341: 1414.	
	4	IRONS, et al. "Prenatal diagnosis of Smith-Lemli-Opitz syndrome", *Prenat. Diagn.*, (1998) Vol. 18: 369-372.	
	5	KELLEY. "Inborn errors of cholesterol biosynthesis", *Adv. Pediat.*, (2000) Vol. 47: 1-53.	
	6	KRATZ, et al. "Prenatal diagnosis of the RSH/ Smith-Lemli-Opitz syndrome", Am. J. Med. Genet. Vol. 82: 376-381 (1999).	
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	8	MCKEEVER, et al. "Smith-Lemli-Opitz syndrome II: A disorder of the fetal adrenals?", *J. Med. Genet.*, (1990) Vol. 27: 465-466.	
	9	MILLS, et al. "First trimester prenatal diagnosis of Smith-Lemli-Opitz syndrome (7-dehydrochloesterol) reductase deficiency", *Pediatr. Res.*, (1996) Vol. 39: 816-819.	
	10	MOEBIUS, et al. "Molecular cloning and expression of the human delta 7-sterol reductase", *Proc. Natl. Acad. Sci. USA*, (1998) Vol. 95: 1899-1902.	
MC	11	PALOMAKI, et al. "Maternal serum screening for Down syndrome in the United States: A 1995 survey", *Am. J. Med. Genet.*, (1997) Vol. 176: 1046-1051.	

Examiner Signature	M. Cole	Date Considered	6/04

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Sheet	3	CHOR-003	4

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Application Number	10/077,577
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First Named Inventor	Cedric Shackleton
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	CHOR-003

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
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MC		ROSSITER, et al. "Smith-Lemli-Opitz Syndrome: Prenatal diagnosis by quantification of cholesterol precursors in amniotic fluid", *American Journal of Medical Genetics*, (1995) Vol. 56: 272-275.	
		SHACKLETON. "Mass spectrometry in the diagnosis of steroid-related disorders and in hypertension research", *J. Steroid Biochem. Molec. Biol.*, (1993) Vol. 45: 127-140.	
		SHACKLETON, et al. "Equine type estrogens produced by a pregnant woman carrying a Smith-Lemli-Opitz syndrome fetus", *J. Clin. Endrocrinol. Metab.*, (1999) Vol. 84: 1157-1159.	
		SHACKLETON, et al. "Midgestational maternal urine steroid markers of fetal Smith-Lemli-Opitz syndrome (7-dehydrocholesterol 7-reductase deficiency)", *Steroids*, (1999) Vol. 64: 446-452.	
		SHACKLETON, et al. "Neonatal urinary steroids in Smith-Lemli-Opitz Syndrome associated with 7-dehydrocholesterol reductase deficiency", *Steroids*, (1999) Vol. 64:481-490.	
		SHACKLETON, et al. "Dehydro-oestriol and dehydropregnanetriol are candidate analytes for prenatal diagnosis of Smith-Lemli-Opitz syndrome", *Prenat. Diagn.*, (2001) Vol. 21: 207-212.	
		SHARP, et al. "First-trimester diagnosis of Smith-Lemli-Opitz syndrome", *Prenat. Diagn.*, (1997) Vol. 17(4): 355-361.	
		SMITH, et al. "A newly recognized syndrome of congenital nomalies", *J. Pediat.*, (1964) Vol. 64: 210-221.	
		STEINER, et al. "Smith-Lemli-Opitz syndrome",*eMedicine J.*, (April 4, 2001) Vol. 2(4).	
		STEINER, et al. "Smith-Lemli-Opitz syndrome", *eMedicine J.*, (February 5, 2002) Vol. 3(2).	
MC		TINT, et al. "Defective cholesterol biosynthesis associated with the Smith-Lemli-Opitz syndrome", *N. Engl. J. Med.*, (1994) Vol. 330: 107-113.	

Examiner Signature	M. Cole	Date Considered	6/04

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Examiner Name	Unassigned
Attorney Docket Number	CHOR-003

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MC		TINT, et al. "Fetal Smith-Lemli-Opitz syndrome can be detected accurately and reliably by measuring amniotic fluid dehydrocholesterols", *Prenat. Diagn.*, (1998) Vol. 18: 651-658.	
MC		Waterham, et al. "Smith-Lemli-Opitz Syndrome is Cuased by Mutations in the 7-Dehydrocholesterol Reducatse Gene", *Am. J. Hum. Genet.*, (1998) Vol. 63: 329-338.	

Examiner Signature	M. Cole	Date Considered	6/04

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